

AN - 2000-033610 [03]

AP - JP19980106390 19980416

CPY - SEKI

DC - A17 A94

FS - CPI

IC - C08J3/24 ; C08J9/06 ; C08J9/38 ; C08L23/00

MC - A04-G02C A08-C01 A11-B06C A11-C02 A12-S04A2

PA - (SEKI) SEKISUI CHEM IND CO LTD

PN - JP11302430 A 19991102 DW200003 C08J9/06 007pp

PR - JP19980106390 19980416

XA - C2000-110646

XIC - C08J-003/24 ; C08J-009/06 ; C08J-009/38 ; C08L-023/00

AB - JP11302430 NOVELTY - The manufacture comprises heat-casting a mixture of ethylene resin, thermolyzable foaming agent and crosslinking agent under non-crosslinking conditions, foaming and crosslinking, and mechanically altering the shape of the obtained foam.

- DETAILED DESCRIPTION - The manufacture of an open cell, cross-linked foam object comprises: (1) heat-casting a mixture of 100 wt. pt. ethylene resin, 1-30 wt. pt. thermolyzable foaming agent and 0.3-wt.pt. crosslinking agent under non-crosslinking conditions; (2) foaming and crosslinking under conditions where the maximum value of the ratio (crosslinking degree/thermolysis ratio of the thermolyzable foaming agent) is 20 or less; and (3) mechanically altering the shape of the obtained crosslinked foam.

- The viscoelasticity of the ethylene resin after heat-casting under non-crosslinking conditions is 2.0×10^3 - 5.0×10^3 Pa.s at 135 deg. C and 10 Hz. The ethylene resin starting material has density 0.840-0.900 and is obtained using a metallocene catalyst containing a tetravalent transition metal.

- USE - The process is used to make foam objects.

- ADVANTAGE - The foam recovers well from compression and has good sealing properties and air sealing. The proportion of open cells and the foam ratio are high.

- (Dwg.0/0)

IW - MANUFACTURE OPEN CELL CROSSLINK FOAM HEAT CAST MIXTURE ETHYLENE RESIN
FOAM AGENT CROSSLINK AGENT NON CROSSLINK CONDITION FOAM CROSSLINK

IKW - MANUFACTURE OPEN CELL CROSSLINK FOAM HEAT CAST MIXTURE ETHYLENE
RESIN

FOAM AGENT CROSSLINK AGENT NON CROSSLINK CONDITION FOAM CROSSLINK

NC - 001

OPD - 1998-04-16

ORD - 1999-11-02

PAW - (SEKI) SEKISUI CHEM IND CO LTD

TI - Manufacture of open cell crosslinked foam, includes heat-casting mixture of ethylene resin, thermolyzable foaming agent and crosslinking agent under non-crosslinking conditions, and then foaming and crosslinking

A01 - [001] 018 ; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82 ;

H0000 ; P1172 P1161 ; S9999 S1343 S1309 ; M9999 M2073 ; L9999

L2391 ; L9999 L2073 ; S9999 S1434 ; K9814 K9803 K9790 ; P1150

- [002] 018 ; G0044-R G0033 G0022 D01 D02 D12 D10 D51 D53 ; R00326

G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82 ; H0022 H0011 ;

P1252 ; S9999 S1343 S1309 ; M9999 M2073 ; L9999 L2391 ; L9999

L2073 ; S9999 S1434 ; K9814 K9803 K9790 ; P1150

- [003] 018 ; ND07 ; N9999 N5743 ; N9999 N6086 ; N9999 N6440-R ;

Best Available Copy

(C) WPI/Derwent

N9999 N6177-R ; N9999 N5867 ; B9999 B3963-R B3930 B3838 B3747 ;
B9999 B5016-R B4977 B4740 ; B9999 B3952 B3930 B3838 B3747 ; B9999
B5312 B5298 B5276 ; B9999 B4864 B4853 B4740 ; B9999 B5243-R B4740
- [004] 018 ; D62 D61 4B-R Tr ; C999 C102 C000 ; C999 C293
- [005] 018 ; R01055 D01 D50 D82 F13 F78 ; A999 A271 A260
- [006] 018 ; R00476 D01 D11 D10 D19 D18 D32 D50 D76 D93 F48 ; R00733
G0975 D01 D12 D10 D23 D22 D27 D31 D45 D51 D55 D57 D58 D76 D92 F19 O-
6A ; R01520 D00 F20 Zn 2B Tr O- 6A ; A999 A157-R ; A999 A771

Best Available Copy